## YACHTSMEN ENJOY FITTING OUT TIME

Find as Much Pleasure in Working on Craft as in Racing Them.

completion every effort is ing device.

the Marine Basin, Fletcher's at ken, and at Port Washington, wich, Port Jefferson, New London, in short every yacht yard on the from the Delaware to Maine, there was so much work as is being done Every moment of fine weather is taken advantage of and hulls are scraped and painted, joiner work spars are being varnished and the leers and their staffs are overhauland spars are being varnished and the engineers and their staffs are overhaul-ing and repairing the engines. the basins mentioned chiefly large

At the basins mentioned chiefly large yachts are stored or vessels whose owners can afford to pay to have the overhauling done and not be troubled until the skipper announces that the vessel is ready, but all along the water front of the greater city, on both sides of the Hudson River, on both sides of the Hudson River, on both sides of Long Island Sound and wherever there is water there are thousands of small craft whose owners are us busy as bees each week end getting their boats in shape for the yachting season. The owners of these boats ing season. The owners of these boats enjoy the work of fitting out just as much as they do the racing and cruising later and the work that they do in preparation makes them appreciate more the case and comfort of sailing or motoring. These small craft have stood through

he bleak storms of the winter with their spars stripped bare and ugly canvas cov-oring their hulls. The spars have grown black under the influence of the weather and the canvas has accumulated all the dirt and dust that has blown about the shores, and this has been indelibly im-bedded in it by the rains and snows. On the first sign of warm weather the can-vas coverings have been stripped off and the hulls have been carefully examined to find out just what is to be done to fit out. The spars have been scraped and these are beginning to glisten under new varnish, and the hulls to look re-eplendent under new coats of white paint. As the days grow longer work will be continued in the evenings and by the middle of next month launchings will be in order. Then instead of everything looking bare around the yacht clubs there will be fleets of white hulled vessels tugging at their moorings ready for service at any time.

Among the yachts at Fletcher's at Hoboken now fitting out are Vice-Commodore J. P. Morgan's steam yachts Corsair and Mermaid, Roswell Eldridge's Kehtoh, Wilson Marshall's Watawsa and

#### YACHTING KNOTS AND SPLICES.

The cruiser shown by the Luders Company at the recent Motor Boat show has been sold to A. J. Moxham. It is 60 feet long and fitted with a Dusenberg engine of 150 horse power. The yacht is to be used on Chesapeake Bay.

delivery early next month. The hull is planked and the interior fittings are being put in by the builders, Hodgdon Bros., at East Boothbay, Me.

Seen very hard to overcome.

Of enterior, at all times. If it were not stated intervals.

For the generator the storage battery for the generator the storage battery condemned and set back by employing the amount of current constantly consumed by using the ignition system, the Buttonless Upholstery.

The schooner building for J. Fred
Brown at Herreshoff's will be ready for launching in about a week. It is to be named Mariette.

## TEACHING THE OWNER TO KNOW HIS AUTOMOBILE

Being the Eighth of a Series of Practical Articles by an Expert on the Subject of the Car and Its Operation.

EVERY YARD IS BUSY Pres. Stewart Automobile School.

yards at the Gas Engine and Power Company's and the New York Yacht Launch and Engine Company's on the Harlem River, Jacob's and Nevins's at City Island and some of the gineers, who devoted much time to worksmaller shops where new vessels are ing out a practical starting and light-

being made to finish the work so that | For a time there was much discussion the yachts may be launched next month, as to the merit of self-starters. Some but at some of these yards there have manufacturers even refused to apply been labor troubles, and some owners these devices to their cars, believing will be disappointed. In addition to the that the additional complications inciwant to work.

At the storage basins such as Tebo's, Beard's, the Marine Basin, Fletcher's at Hoboken, and at Port Washington, and in short every yacht yard on the coast from the Delaware to Maine, there never was so much work as is being done.

Want to work.

It may be observed and the lights burning the battery is obtained. Usfally this instrument is so atranged that mud or dirt will not penetrate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more the vital parts. Proper lubrication is very essential and an occasional instance much more trate the vital parts. Proper lubrication is very essential and an occasional instance much more trate

By WILLIAM H. STEWART, JR.,

Pres. Stewart Automobile School.

A very few years ago the automobile

A very few years ago the automobile

A very few years ago the automobile

The state of These are busy times in all yards and basins where yachts have been stored since the close of the last season. In such yards at the Gas Engine and Power Compared many were very sceptical as to the stop and starts to rotate with the sleeve. As soon as the motor is started, motor cranked and his lamps lighted by electricity. When the first electric could possibly drive it. This causes the gas to unscrew and move forward out of mesh with the teeth on the fly-wheel, permitting the engine to run feet.

tem, one from the starting switch to the battery and the other from switch to the starting motor. The circuit is

current indicator is also provided, which serves to silently inform the operator as to how much, if any, current is being generated while the motor is running, or consumed when motor is idle. This instrument is usually located on the dash in plain view of the operator.

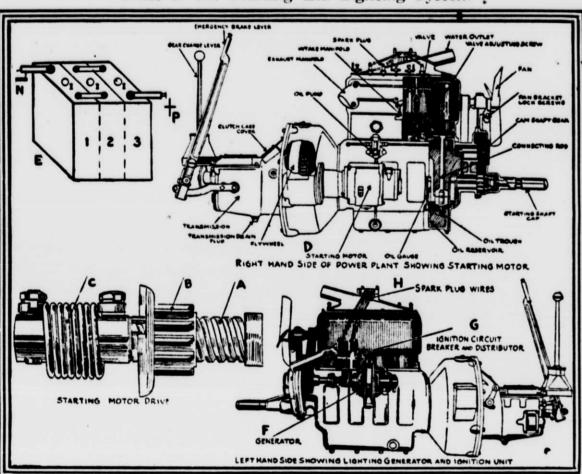
Then again the fuse box and lighting Then again the fuse box and lighting switch constitutes another important factor. Switches, of course, control the current to the various lights similar to any ordinary electric lighting switch. At the fuse box will be found several fuses controlling the various electric circuits, such as for the headlights, the side lights, the rear light, the horn, &c. These are installed as a means of safety the various lines to prevent injury to ut," thereby opening the circuit auto-

plates of each cell must be kept covered at all times with electrolyte. Likewise the battery should be maintained in a fully charged condition at all times.

the battery and the other from switch to the starting motor. The circuit is completed by grounding the starting motor and the battery.

The starting motor needs very little attention except to keep the collector brushes and commutator clean: also the bearings lubricated occasionally. If the commutator becomes corroded or the brushes badly worn poor results will be obtained. Usfally this instrument is so being exhausted. It may be observed arranged that mud or dirt will not penetten the in such an instance much more than in such an instance much more

## Units of the Starting and Lighting System



-Negative terminal of battery

ter building for George Lee tain cars in the lead, which handleap by Owen will be ready for has been very hard to overcome. On the lattery periodically for generate current for storage battery and maintain it at the maximum point of efficiency at all times. If it were not stated intervals.

condemned and set back by employing bross, at East Boothbay, Me.

It is reported that Herbert L. Bowen of the Corinthian Y. C. of Marblehead has purchased the 31 rater Michicaso which has raced on the lakes. This will be the ninth yacht in this class in East-tru waters.

Sidney A. Beeg is having a 25 rater built from Owen designs, which is to be mained Ruweida.

The first of the new 40 footers to be finished by Herreshoff will be the Squaw for Harold S. Wesson of Springfield. This yacht is almost ready for a trial.

The schoolage building for a trial.

Condemned and set back by employing condemned and set back by employing condemned and set back by employing the amount of current constantly consumed by using the ignition system, the starting amotor and the lights. The generator is so designed that when the engine is running an ample study of current is generated for the surply of current is generated to great speed variation some regulating device is necessary to control the current output. For this purpose a regulator is attached, which as been a severe tax upon the engineer ing force of nearly all manufacturers.

The golomore hullding for a trial.

The schoolage for a trial.

The schoolage for a trial is a simple method of electric starting and lighting system. He starting and mapple starting motor and the lights when the engine is running an ample study of union and installed to a starting motor and the lights.

The selection of the Mestody with the use of better starting motor and the lights when the engine is running an ample starting motor and the lights when the engine is running an

mained Mariette.

Commodore Erwin A. Clark of the Portland Power Boat Association announces that the annual cruise this year will be held July 12 to 15 inclusive. The fact will visit Boston harbor.

The factories may differ as to the merits of factories may differ as to the merits o

factories may differ as to the merits of various systems and accordingly employ the kind they approve.

Lawley is building thirteen yachts of \$5 feet water line length and over. Twelve are of wood and one of steel. There are three auxiliary yawls, one schooner and the others are power yachts.

R. B. Budd has sold the class P sloop Amoret to Alfred I. du Pont, who will have the yacht taken to Chesapeake Bay for racing there.

factories may differ as to the merits of various systems and accordingly employ the kind they approve.

It is safe to state that with the present advanced development of the various systems the purchaser of an automobile need not permit this factor to necessarily influence his purchase. It is not the purpose of this article to discriminate against or elaborate upon any particular system or any particular method of starting and lighting, but rather to give a simple explanation of how a modern system is employed.

The class R Q sloop Grayjacket, raced successfully on Gravesend Bay by Floyd C. Noble and then sold to E. N. Smith of Buffalo, has been sold to C. N. Kendrick of Buffalo and will be raced on Lake Frie.

Erie.

Harry H. Raymond has sold the 41 foot water line sloop Hermes to William G. Ravol through the office of Gielow & Orr.

The auxiliary schooner Simitar has been sold by John G. Alden and Cox & Stevens to John Mitchell for use at Manchester. The Simitar is 46 feet on the water line and was built by Lawley in 1899.

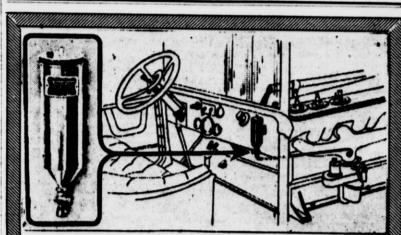
The 45 foot motor yacht Kingfisher has been chartered for the scasson to Earl N. Potter of Jamestown through Gielow & Orr. & Orr.

The house hoat Awa, owned by A. de Witt Cochran, has been chartered through Giclow & Orr to William Thaw 3d, who is using the yacht in Florida waters. The Awa is 55 feet long and was built by the Mathis company in 1912.

Roll Best Bowler in Montelair.

Montelair, Montelair A. C., finishing the season with an average of 193 for minety three games Rolls name will be insertibed on the bronze tablet that contains the names of flexious champions of the club, and which occupies a place in the clubhouse on Valley road.

Very raphility, At A. T., B and C are shown views of this armature shaft with gear "B" which meshes with the gear "B" is serewed onto the sleeve and is free to move forward and backward when the sleeve is turned. The armature shaft drives the sleeve through a heavy coil spring "C" so the sudden starting of the armature shaft causes the gear to move backward along the threads until it meshes with teeth cut in the rim of the engine flywheel. When the gear is fully meshed it comes up against a stop and then turns with the sleeve, thus allowing the starting motor to turn the flywheel, which cranks the engine. It may be noted that the coil spring furnishes a very



## Do You Want to Cut Costs?

. Make the

THOMPSON CARBON REMOVER A Part of the Equipment of Your Car.

It will remove carbon and keep your car free of it. It is an auxiliary carburetor. It is a primer. It gives Added Mileage, Increased Power, Greater

Flexibility and REDUCES YOUR GASOLENE BILLS. These are a few of the things it will do. It has done it for hundreds of others. Let it do it for you.

NO CHEMICALS USED. YOUR FIRST COST IS YOUR LAST COST. Have it installed on your car at once and commence the great saving that this instrument will give you.

Price \$12. SOLD UNDER A POSITIVE "MONEY BACK" GUARANTEE. WRITE FOR CATALOGUE or call

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Sole distributor 143 Maiden Lane, New York

# TRY FOR RECORD

Wants to Drive Blitzen Benz at Speedway and Surpass Burman's Work.

in the various lines to prevent injury to the battery or instruments should short circuits occur. With a fuse installed a short circuit may take place, but the the famous Blitzen Benz car, in which overload will cause the fuse to "blow the late "Wild Bob" Burman established the world's record in 1911 at Daytona, placed Fla., when he drove the old "war horse" tery. The efficiency of the electrical system depends upon it. The cells of the battery must be kept filled, or rather the

Barney Oldfield was the first driver to bring the car into prominence, cap- driver's control board. turing a world's record with it by negotiating a mile in 0.27.28 in 1909 over the Daytona course.

In Burman's entire career as a race

the Peugeots: but who will attempt to ower the Burman record in the Blitzer are current in racing circles that Hark-

### UP-TO-THE-MINUTE MITCHELL.

This Fine Car Has All the Latest Features.

After a very successful season with "the Six of '16" and the Mitchell Eight, John W. Bate, chief engineer, is out with the announcement of a new Mitchell model light weight, with a with the same and the control of th model, light weight six cylinder car, to sell for \$1,325, without any mechanical change except as to small details in the engine. The Mitchell-Lewis Motor company is now putting out a car which a last minute model both as to the Eight chassis, which is still priced a

Ignoring the completeness of conveniences as incorporated in the first series of "the Six of '16," Mr. Bate has evidently noted well the improvements that the higher priced cars have been setting forth as sales arguments. In the new model are twenty-six features unique to the Mitchell, all paid for through factory savings due to the efficient production methods employed by the chief engineer.

While both "the Six of '16" and the Mitchell Eight have gained a remarkable reputation as cars with wonderful riding qualities, the steps taken by Engineer John W. Bate, the designer of the Mitchell, to further improve this feature in the new model are in the direction that can be looked forward to as a trend in the design of automobile construction.

After sixteen years as local mandger of the Locomobile Company of America, John F. Plummer, recently resigned, and the sorganized Colonial Motors, Inc., will open their showroom about the first of June at Fifty-sixth street and Broadway. With President Plummer will be associated Arnold Wood, as vice president, and among his stockholders are a number of prominent New York business men, many of whom have been for years a mong Mr. Plummer's numerous customers.

Mr. Plummer's decision to handle the Liberty car in New York reveals an interesting agreement between his moothing function in the notably at the friction in the notably at the firition por the plummer, recently resigned, John E. Plummer, recently resigned, John E. Plummer will be associated Arnold Wood, as vice president, and among his stockholders are a number of prominent New York business men.

"Care should be accompany o

design of automobile construction. The Mitchell is handled here by the Carl H. Page Company at "A Place in the Sun" on Columbus Circle.

"YOU NEVER CAN TELL." One Has the Money He Just these

Last week E. M. Dalley, metropolitan versation switched from howers to auto-mobiles, and instead of buying orchids and American Beauty roses Mr. Courte-nay placed his order for a Paige-Detroit Fairfield "Six" touring car.

biles, established agencies throughout Causaliad, China, Japan and the Philippines. Those were the days when of twenty-seven "horseless carriages" starting out from the Wal-

One of Uncle Sam's Most Trustworthy Allies



Packard truck at Columbus, New Mexico, loaded, fully equipped and ready to leave for the interior of Mexico. Note the rifle in scabbard just in front of the driver's control board. The Packards have been named by General Pershing as his "Flying Squadron."

"The automobiles have done work which astonished me," says the General. "They have traversed roads which seemed impassable: they have climbed work, due to static conditions, and when

sharp enough to cut the tires and smash the running gear; they have gone through canyons where a goat might hesitate. The automobiles have made faster progress than any branch of the service except our aeroplanes. The automobiles travel in small groups with guards in each. With their motimobile trucks have brought food for men and horses not only to advance here as very effective fighting groups in approximation. men and horses not only to advance here as ver bases, but to points beyond these bases, emergencies

"They have traversed roads which to cars. When the wireless would n seemed impassable; they have climbed work, due to static conditions, and whills where the rocks alone appeared hurricanes kept the aeroplanes lashed sharp enough to cut the tires and smash the ground, the automobiles have bridge

HOW TO SAVE GASOLENE.

Herbert Chase Tells the Motoris

What to Do.

While discussing the subject of fuel

In an interesting article on the fusituation in the Club Journal, Herber Chase, chief engineer of the A. C. A points out a few ways in which th

deserves not only would their own bill be lower but the average consumption

reased that the smaller demand should

wearing out of the brake lining and

compression of the motor is not allowed to fall off, due to an accumulation of

LONG TOURS ENJOYABLE.

Milen: Goes 10,000.

"Long tours averaging from 1,000

motorist can save much gasolene.

Back Into the Fold



perate to decrease the retail price.
"Another prolific source of waste fuel is that which results from undu friction in the mechanism of the car, notably at the brakes. In nine cars out of ten the brakes drag to a considerable Inc., of ten the brakes drag to a considerable this extent, while those of the other 10 per cent, are seldom in such perfect adjustment that they do not drag at any point their. The resultant friction not only increases the fuel consumption by making neces-sary the development of more power in the motor but also means more rapid

fitting pistons. By observing these simple precautions the fuel consumption interesting agreement between his mo-toring judgment and that of Mr. Owen. Mr. Plummer represents the longest successful selling experience in New York and Mr. Owen, also well known here, represents a combination of long selling experience and manufacturing training. It is interesting to note that both of these men recognize that there is now more than ever a large demand for the small, strictly high grade motor car at 5,000 miles are becoming popular with motorists and 1916 will see considerable Last week E. M. Dalley, metropolitan distributer of Paige-Detroit cars, attended the Grand Central Palace Flower Show in order to purchase some new plants and William Courtenay the across the property of the South Seas of William Courtenay the across the across the property of the Courtenay the Courtenay the Courtenay the property of the Courtenay the Courten Show in order to purchase some new plants, and William Courtenay, the actor, visited the show for the same purpose. When the latter encountered Mr. Dalley and one of the latter's salesmen the contact versation switched from flowers to auto-biles, established agencies throughout confidence of owners that automobiles

Twin Six Touring, \$2.75 dorf for the eventful trip to Ardsley-on-the-Hudson, only eight of them arrived, and these with more difficulty than is Twin Six Special Roadster, \$2,900. Single Siz, \$1.695. now experienced in a transcor

they arrive.

Phone Columbus 9882

Not in a Big Hurry But

with reasonable speed you

ought to get in your order for

a Pathfinder Twin Six-as carloads are arriving daily and delivered as fast as

tion and a long trip was considered quite

an adventure. At that time more carbed themselves in hideous cost and goggles, or rather masks, and

equipment was cumbersome and consisted of shovels, ropes and enough too to equip a small machine shop

"To-day long tours, and even little ones, are looked upon with pleasure rather than with an idea of work ahead.

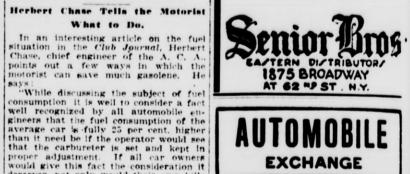
Hardly any preparations are mad-vance. One of our customers star recently in a National for a 10 trip through New York State, spirit of motoring has taken such grip of him that before he returns doubtedly will

loubtedly will have covered to

Judging from a letter received from a few days ago. While the roads not in the best of condition just not

claims that there is 'romance in ting in mud with a machine that handhing.' Another of our customers.

planning a transcontinental tra-



# EXCHANGE

## **Sexington**

USED CAR DEPARTMENT 1916 Lexington (brand news ligh ing; factory guarantee; \$320 re

1916 Mercer Sedan; wire wheels 1916 Bulck light "6" touring. 1915 Bulck light "4" touring 1915 Lexington (used 3 mos.) ligh 1915 Buick roadster, mode 1915 Oakland 6-48 touring. 1915 Lozier touring; like new. 1915 Studebaker "6" touring 1914 Cadillactouring; absolutely; 1914 Kissel Kar touring; spien 1913 Buick, model 30 roadster. 1913 Hudson light "4" touring. 1913 Chalmers big "6" touring.

1912 E. M. F. roadster. Special Built Simplex Speedster DOUGLAS C. BURRELLE, Mgr.

1700 Broadway. Phone Circle

This LANCIA roadster, 20; guaran the hauled; electric lighting system. Scott Co., 1896 Broadway.

A GREAT TIRE & SUNDRY STOR Larger Assortment, Bigger Saving, Be Service Than Elsewhere Thousands of Best Makes at a SAVING OF 12° 25° 10° 70° 80me Soiled and Used Tires There ches Magnetos, Electric Equipment, Large, Cheapest Prices; Best Quality Agents wanted in every town Large, 1000 BODIES, 825 UP. Cadillacs, Packards, Pierces, Harrier Hudsons, Flats, Fords and 200 other mas Cash Wanted—"Barzains" Some Swell New "Jobs" to order. Also any Landaulette, Limousine Sete, at any offer! Remodel your car, complob.

Solid Truck Tires, \$6 to \$12. Jandorf Automobile Co.,

1914 MERCER TOURING, the passers, ully equipped. Roskam-State Stroadway.

Unusual Bargains in Used Cars. COLE 1915 4 cylinder, 5 pas-JEFFREY 1914 5 passenger starting and lighting. COLE 1912. Bargain. APPERSON 1913. Good con

Dimond-Apperson Motor Co., Inc. Columbus-10202

1914 S. G. V. LANDAUI repainted; elegant bargant Co., 1896 Broadway PACKARD AUTO ENCHANGE, INC.
LOUIS SIRRIFIEV, Macasses, 1816 Broadway
We have 1916, 1915, 1911

1913 S. G. V. BROUGHAN own car; cowl dash; fore pargain. Roskam-Scott Co., to Chevrolet Five Passenger

ouring car, full electric erfect condition, \$550 DE LAMATER, 1679 H

A CADILLAC, 1915 me STABLE 148 East 3 MERCER RACEABOL

guaranteed, Roskam s

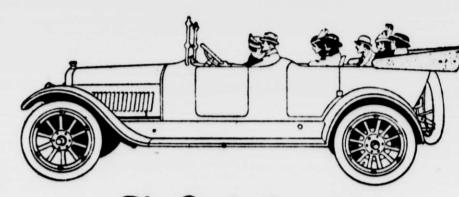
AUTOMOBILE AND MOTOR TRUCK IN STRUCTION. PREPAREDNESS

\$55. Day and E STEWART AUTO SCHOOL

AUTOMOBILE REPAIRS We Repair & Mind Street HUDSON AUTO LAMP WORKS INC. 1648-50 Broadway, N. V. Circle and 669. 1054 Bedford Ave., Bklyn. Tel. 12 De alai.

AUTOMOBILE SUPPLE

New Departure Service Sta The Coll 252 W. 52 St. (at E'way), Tel. 52. . .



# The Style Leader

The walnut-paneled tonneau cowl of the new Type 17 Chandler touring car has pleased New York motorists greatly. It gives the car a very unusual air of complete finish. It reflects, too, the thought which the Chandler Company gives to details of construction throughout the car, inside and outside. There is every reason to believe that the old-style design, with the backs of the front seats projecting abruptly above the body, will be out of date before the season is over.

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